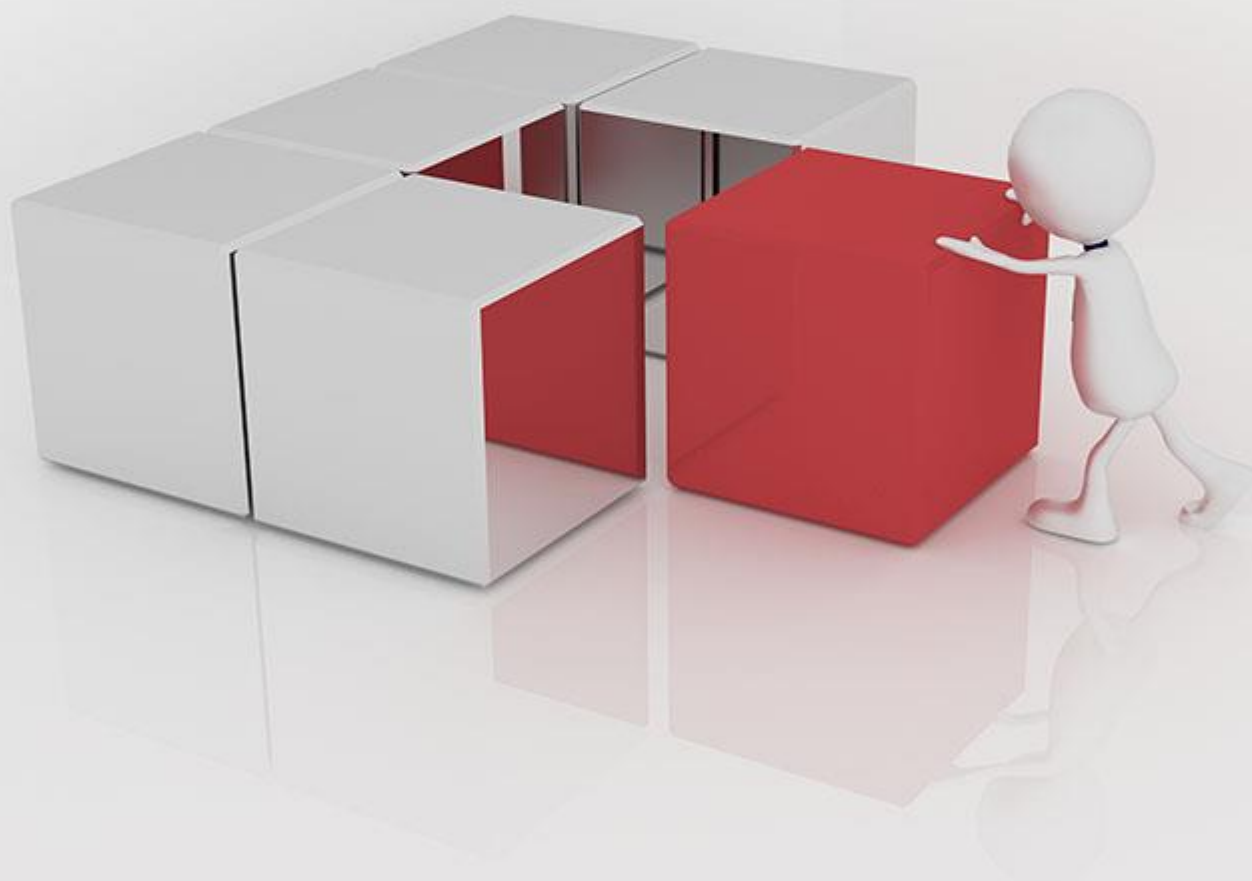


TECHNICAL INFORMATION

naturaSign Pad Flawless



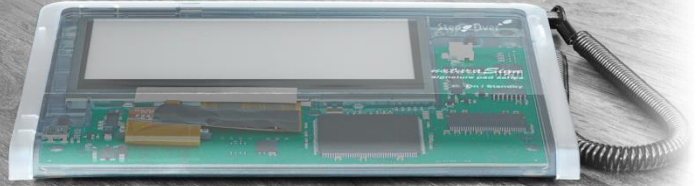
THE REPRESENTATIVE FOR STATIONARY USE

Technical information of naturaSign Pad Flawless

This signature tablet sets new standards when it comes to design. It offers both an elegant design and impressive functionality.

Specific features:

The naturaSign Pad Flawless with brilliant colour screen has been specially developed for use while stationary and sets new design standards! Thanks to the extremely flat design (less than 8 mm thick), the naturaSign Pad Flawless doesn't just shine on the desk or counter - it even copes brilliantly with the demands of mobile use; in fact, wherever a sophisticated design and high level of functionality is required.



The colour screen provides enough space to insert long texts and messages. Not only can individual insertions appear on the pad display, signing directly onto documents is also possible. The high-resolution colour TFT enables the document to be displayed directly on the pad, and enables the signer scrolling through as well as zooming in and out.

The naturaSign Pad Flawless has a holder in the side for secure storage of the pen during transport, as well as another, clip-on vertical holder for when the pad is in use. The pen is held on a chord.

The highest proof security on the market

Each naturaSign Pad Flawless is provided with a unique certificate for the digital signing process (2048 bit RSA private key), with which the internal signature creation unit signs the document in a completely safe way. Furthermore, with this certificate the person examining the signed document can precisely assign the signature to a specific signature pad.

Apart from this, the processor of the signature pad contains a public key of a second key pair (RSA 2048 bit), generated by a notary public. By means of this key, the biometric data is already encrypted in the pad. This way, highly sensitive information can never be found in decrypted format in the unsafe "computer" environment (e.g. working space). The private key of this second key pair is safely deposited by the notary public.

The unique safety concept of this StepOver signature pad offers the user the highest possible proof security, since it is the only way they can provably claim they never used the biometric data of the signature for purposes other than intended (e.g. by intercepting and copying the data to another document).

With Win7, Win8 and Linux, it is not necessary to install a driver. The status lights and the screen show the status of the device (off: not connected; orange: ready; green: capturing signature).

The device has two holes in the back that enable it to be fixed to a desk or wall. Here you can download the relevant drilling template (mounting holes):

<https://www.stepoverinfo.net/downloads/webseite/drilling-jig-Flawless.pdf>

THE REPRESENTATIVE FOR STATIONARY USE

Technical data:

Description	Referring to	Value	Measurement
Material	naturaPen (Pen)	POM	Material description
Pen	naturaPen fastened to casing with spiral cord.	naturaPen	Name
Material	Casing	Polycarbonate	Material description
Width	Casing	15.5	cm
Depth	Casing	13	cm
Height	Casing	0.8	cm
Width	Surface area of sensor and screen.	9.5	cm
Depth	Surface area of sensor and screen.	5.3	cm
Width	Active area of sensor.	9.4	cm
Depth	Active area of sensor.	5.2	cm
Length	Supplied connector cable 1x angle micro USB connector.	180	cm
Weight	Signature pad without cable.	ca. 160	grams
Temporal resolution	Groups of 4D coordinates (Each group is made up of the coordinates X, Y, pressure and time).	500	Reporting rate / 4D samples/sec
Temporal definition of the internal measurement	Internal Reporting rate (samples).	7000	Internal measuring rate / 4D samples/sec (14 times oversampling)
Spatial resolution	Definition of the captured X and Y coordinates (without adding some coordinates to other/without interpolation).	1000	DPI
Accuracy of repetition	Accuracy of repetition in X,Y measurements.	+/- 0.1	mm
Display	x- and y resolution of integrated colour screen: Note: The pad screen displays the signature in real time and can be used to show texts, documents and virtual buttons. The LED backlight has an expected MTBF of 50,000 working hours. The screen can, however, be turned off and on again via software (recommended if the device is connected to a switched-on computer outside of working hours e.g. to a computer running 24/7).	480 x 272	Pixels
Horizontal viewing angle	Left side / Right side	minimum 60° - typically 70°	°
Vertical viewing angle	Front / Opposite-position	minimum 60° - typically 70° minimum 40° - typically 50	°
Standard image resources	The naturaSign Pad Flawless can be equipped with the following image resources:  <p>Standby mode: If the customer has not loaded a slide show onto the signature pad, the operating mode will show the serial number, FW version, manufacturer's logo and further information.</p>  <p>Optional slide show: In standby mode, advertising images (slide show) can be displayed. The signature pad also has an internal memory for at least four exchangeable advertising images. The advertising images/slide show images can be loaded and changed by the customer.</p>  <p>Standard Signature mode: The background images (capture area, bottom; information area, top) can be changed by the customer. Backgrounds are loaded onto the signature pad by default similarly to the image on the left. The text in the information area can be adapted dynamically via the signature software.</p>	-	-

THE REPRESENTATIVE FOR STATIONARY USE

	 <p>Signing in the document: A status bar is displayed at the top of the screen, showing the document page and the “rotate” button (provided this has not been deactivated by the customer).</p>  <p>Document view: A status bar is displayed at the top of the screen, showing the document page, browse and zoom buttons, and the “rotate” button (provided this has not been deactivated by the customer). A button on the bottom edge commences the signature capture. This button can be hidden by the customer.</p> <p>(Documents, signatures and advertising images are merely for illustration purposes.)</p>		
Measurement of pressure	Maximum number of differentiated pressure levels.	512	Levels of pressure
Minimum pressure	Lowest measurable writing pressure.	1	Newton
Maximum pressure	Highest measurable writing pressure.	10	Newton
Connection	Standard Micro-USB.	Plug	-
Energy Use	Very low power consumption protects the environment and extends the battery time of Notebooks.	ca. 500	mAh
Type of transmission	Encrypted HID. This device does not require an HW driver. It is directly recognised by Windows/Linux similarly to a mouse or keyboard.	USB/HID	USB 2.0 (USB 1.1 compatible)
Encryption Algorithm	Name of the standard cryptographic algorithm used for the transfer of data.	RSA 2048 bit AES 256 bit	-
Working temperature	Temperatures at which the pad will function according to what is specified here.	0 to +50	°C with a max. of 90% RH without condensation.
Storage temperature	Temperatures at which the device can be transported and stored.	-10 to +80	°C with a max. of 90% RH without condensation.
Meets	Certificates / Licences	CE, WEE	-
Quality control measures for each device	Quality control and safety tests for all devices. The test protocols are linked to the serial number of the device and the coded initials of person who carried out the tests, and are available, free of charge, for our clients on request.	Testing of each device: Operation and margin for error in measurements	1/1
General quality control measures	Selection of component providers and documented production cycles StepOver GmbH only works with ISO certificated providers and works according to ISO regulations.	EN ISO 9000 ff	-
Identification / serial number	Each signature pad of this type has been given a unique serial number. The serial number can be found from the device's firmware and read on the display after insertion. There is also the option to add the serial number in figures for projects over 500 units and fix it as a barcode on the back of the device (subject to cost).	Code 39	Barcode type (Optional / Subject to surcharge - only when ordered ex works)
Recycling	This product can be almost entirely recycled. The parts, such as the casing, etc. are marked with information about the materials used.	WEE-Registration Number	DE 27870259
Protecting the environment	For every signature pad sold, StepOver makes a donation to promote the planting of new trees. As of the end of 2014, a total area of 1.5 million m ² has been planted in several projects across the world!	CO ₂ neutral emissions	-
Manufacturer	StepOver Europe	StepOver GmbH Otto-Hirsch-Brücken 17 70329 Stuttgart Germany	Address
Country in which it is produced	Country in which the development, manufacture and quality control takes place.	Germany	Made in Germany
Accessories included	Standard Accessories.	L-shaped connection cable, instruction manual in multiple languages, transparent black stylus clip-on vertical holder	Per 1 unit

THE REPRESENTATIVE FOR STATIONARY USE



Order number

GTIN article number.

GTIN 4260130060589

Original product:



Important note:

This product is protected by property rights and national and international patents.

We reserve the right to make technical changes that result in an improvement in the functioning of the device.

All names and trademarks are property of their respective owners.

The content and structure of this documentation are protected by copyright. The use of information, data, and especially of images, texts or sections of text without the express permission of StepOver is not permitted.

It is important that the indications given in the operating and security instructions are followed. The operating instructions can be found in the following electronic manual www.StepOverInfo.net/MAN.

This product is not available for import, distribution or use in the USA. For products designated for the US market, contact StepOver Inc. www.StepOver.com/us.

Copyright StepOver GmbH 2014

naturaSign Pad Flawless TECHNICAL INFORMATION